

# इंटरनेट

# मानक

## Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 7476 (1974): Nippers, Cutting, Dental [MHD 8: Dentistry]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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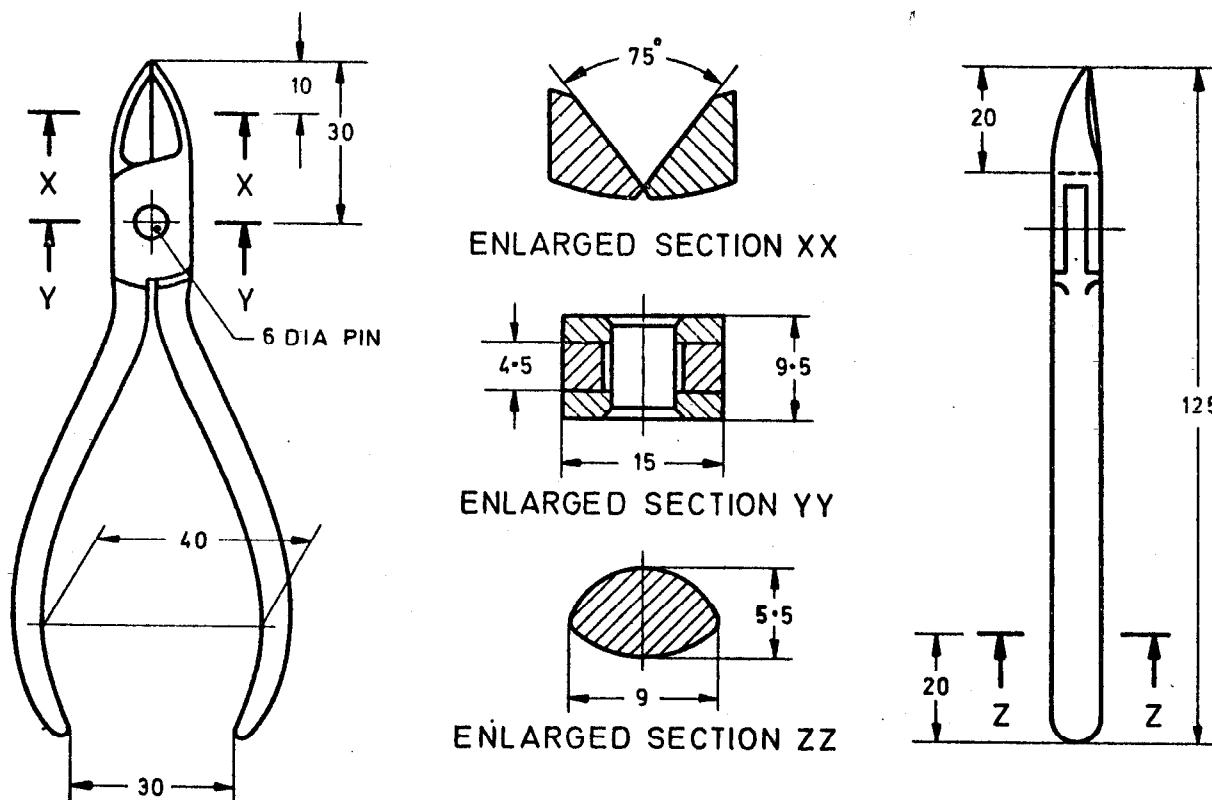




Indian Standard  
SPECIFICATION FOR  
NIPPERS, CUTTING, DENTAL

“पुनर्विचार १९९२”  
“RE-AFFIRMED 1992”

- 1. Scope** — Dimensions and other requirements for cutting nippers used in dentistry.
- 2. Material** — Tool steel conforming to Designation T80 of Schedule VI of IS : 1570-1961 'Schedules for wrought steels for general engineering purposes'.
- 3. Shape and Dimensions** — As shown in Fig. 1.



All dimensions in millimetres.

FIG. 1 NIPPERS, CUTTING, DENTAL

#### 4. Workmanship and Finish

- 4.1** The two halves of the cutting nippers shall move freely about the joint without any play and shall open fully. The nippers shall be balanced, the movement shall be even and the jaws shall register accurately.
  - 4.2** The surfaces of the nippers shall be finished smooth except the handles which shall have a black finish. The edges shall be even, free from pits and burrs and rounded except the cutting edge which shall be sharp.
  - 4.3** The cutting edges of the nippers shall meet along their entire length when the nippers are closed.
  - 4.4 Joint** — Box joint conforming to 6 of IS : 3642-1966 'General requirements for surgical instruments'. The ends of the pin in the joint shall be finished flush with the surface.
- 5. Heat Treatment** — The cutting nippers shall be uniformly hardened and tempered to 500 to 600 HV.

**6. Tests**

**6.1 *Practical*** — The cutting nippers shall be tested by cutting 1.25 mm diameter stainless steel wire (hard drawn). The wire shall be cut easily and cleanly. The test shall be carried out six times at the same place on the cutting edge of the nippers. On completion of the test, the nippers, in particular the cutting edge, shall show no sign of damage, when viewed under a microscope at a magnification of 20 X.

**6.2 *Rigidity*** — A compressive force of 68 kgf shall be applied to the nippers in such a manner that the force acts at the centre of each handle and tends to press the handles together. The maximum force shall be attained gradually and shall act for two minutes. On completion of the test the nippers shall show no sign of damage.

**7. Marking** — Each cutting nippers shall be legibly and indelibly marked with the manufacturer's name, initials or trade-mark; and the country of manufacture.

**7.1 *ISI Certification Marking*** — Details available with the Indian Standards Institution.

**8. Packing** — The nippers shall be wrapped either in a polyethylene bag or wax paper. Each nippers, then, shall be packed in cartons in accordance with the trade practice. The cartons shall bear the name of the nippers, manufacturer's name, initials or trade-mark and country of manufacture.